ELSEVIER

General Subjects

Vol. 1428, 1999

BIOCHIMICA ET BIOPHYSICA ACTA

BBA

www.elsevier.com/locate/bba

Author Index

Affar, E.B., Duriez, P.J., Shah, R.G., Winstall, E., Germain, M., Boucher, C., Bourassa, S., Kirkland, J.B. and Poirier, G.G.
Immunological determination and size characterization of poly(ADP-ribose) synthesized in vitro and in vivo (1428) 137
Ahmad, A., see Asad, S.F. (1428) 201
Arninkhof, M.J.C., see Kersten, M.A.S.H. (1428) 260
Arzberger, I., see Prange, A. (1428) 446
Asad, S.F., Singh, S., Ahmad, A. and Hadi, S.M.
Bilirubin-Cu(II) complex degrades DNA (1428) 201

Babál, P., Pindak, F.F., Russell, L.C. and Gardner Jr., W.A.
Sialic acid-specific lectin from *Tritrichomonas foetus* (1428) 106
Baldwin, G.S., see Rorison, K.A. (1428) 21
Baldwin, G.S. and Rorison, K.A.
Structural requirements for the binding of non-steroidal anti-inflammatory drugs to the 78 kDa gastrin binding protein (1428) 68
Ballas, S.K., see Kim-Shapiro, D.B. (1428) 381
Bardocz, S., see Tunici, P. (1428) 219
Beaulac, C., see Sachetelli, S. (1428) 334
Belyaev, I.Y., Eriksson, S., Nygren, J., Torudd, J. and Harms-Ringdahl, M.
Effects of ethidium bromide on DNA loop organisation in human lymphocytes measured by anomalous viscosity time dependence and single cell gel electrophoresis (1428) 348
Bennett, C.J., see Lee, M. (1428) 300
Bhatt, S.K.G., see Prasad, N.B. (1428) 121
Bill, R.M., see Revers, L. (1428) 88
Borgers, M., see Dispersyn, G. (1428) 357
Bos, J.D., see Kammeyer, A. (1428) 117
Bottles, K.D., Bullen, E.C., Updike, D.L., Vu, T.-K.H., Phelps, E., Grammas, P. and Howard, E.W.
Gelatinase A expression in endothelial cells is regulated by at least two *cis*-acting promoter elements (1428) 147
Botton, B., see Veau, B. (1428) 39
Boucher, C., see Affar, E.B. (1428) 137
Bourassa, S., see Affar, E.B. (1428) 137
Breen, G.A.M. and Jordan, E.M.
Transcriptional activation of the F_1F_0 ATP synthase α-subunit initiator element by USF2 is mediated by p300 (1428) 169
Brezuica, L., see Ciopraga, J. (1428) 424
Brunner, S., see Zauner, W. (1428) 57
Bullen, E.C., see Bottles, K.D. (1428) 147
Buscemi, S., see Giammona, G. (1428) 29
Buschle, M., see Zauner, W. (1428) 57

Castro, R.A.B., see Dietrich, C.P. (1428) 273
Cavalcante, M.C.M., Mourão, P.A.S. and Pavão, M.S.G.
Isolation and characterization of a highly sulfated heparan sulfate from ascidian test cells (1428) 77
Cavallaro, G., see Giammona, G. (1428) 29
Chacko, R., see Rangarajan, S. (1428) 372
Chavante, S.F., see Dietrich, C.P. (1428) 273
Cheung, H.T., see Lee, M. (1428) 300
Christopherson, I.P., see Lee, M. (1428) 300
Ciopraga, J., Gozia, O., Tudor, R., Brezuica, L. and Doyle, R.J.
Fusarium sp. growth inhibition by wheat germ agglutinin (1428) 424
Connors, R., see Dispersyn, G. (1428) 357
Cox, S.D., Lassiter, M.O., Miller, B.S. and Doyle, R.J.
A new mechanism of action of fluoride on streptococci (1428) 415
Cullen, D.C., see Weston, D.G. (1428) 463

Dahl, C., see Prange, A. (1428) 446
Damez, M., see Veau, B. (1428) 39
Dean, M.F., see Liu, H. (1428) 191
Deepak, D., see Saksena, R. (1428) 433
Dietrich, C.P., Paiva, J.F., Castro, R.A.B., Chavante, S.F., Jeske, W., Fareed, J., Gorin, P.A.J., Mendes, A. and Nader, H.B.
Structural features and anticoagulant activities of a novel natural low molecular weight heparin from the shrimp *Penaeus brasiliensis* (1428) 273
Dispersyn, G., Nuydens, R., Connors, R., Borgers, M. and Geerts, H.
Bcl-2 protects against FCCP-induced apoptosis and mitochondrial membrane potential depolarization in PC12 cells (1428) 357
Doyle, R.J., see Cox, S.D. (1428) 415
Doyle, R.J., see Ciopraga, J. (1428) 424
Duriez, P.J., see Affar, E.B. (1428) 137
Dusser, M., see Veau, B. (1428) 39

Eggelte, T.A., see Kammeyer, A. (1428) 117
Emi, Y., see Ikushiro, S. (1428) 388
Engemann, C., see Prange, A. (1428) 446
Eriksson, S., see Belyaev, I.Y. (1428) 348

Fareed, J., see Dietrich, C.P. (1428) 273
Ferrero, M.A., see Rodríguez-Aparicio, L.B. (1428) 305
Flitsch, S.L., see Revers, L. (1428) 88
Fuhr, G., see Schnelle, T. (1428) 99

Gardner Jr., W.A., see Babál, P. (1428) 106
Geenen, D., see Takahashi, S. (1428) 251
Geerts, H., see Dispersyn, G. (1428) 357
Gehl, J., Sørensen, T.H., Nielsen, K., Raskmark, P., Nielsen, S.L., Skovsgaard, T. and Mir, L.M.
In vivo electroporation of skeletal muscle: threshold, efficacy and relation to electric field distribution (1428) 233
Germain, M., see Affar, E.B. (1428) 137
Giammona, G., Pitarresi, G., Cavallaro, G., Buscemi, S. and Saiano, F.
New biodegradable hydrogels based on a photocrosslinkable modified polyaspartamide: synthesis and characterization (1428) 29
Gorin, P.A.J., see Dietrich, C.P. (1428) 273
Gowda, V.T., see Prasad, N.B. (1428) 121
Gozia, O., see Ciopraga, J. (1428) 424
Grammas, P., see Bottles, K.D. (1428) 147

Grant, G., see Tunici, P. (1428) 219
Gravatt, W.L., see Kim-Shapiro, D.B. (1428) 381
Guillot, J., see Veau, B. (1428) 39

Hadi, S.M., see Asad, S.F. (1428) 201
Hagedorn, R., see Schnelle, T. (1428) 99
Harms-Ringdahl, M., see Belyaev, I.Y. (1428) 348
Hasegawa, T. and Isobe, K.-i.
Evidence for the interaction between Translin and GADD34 in mammalian cells (1428) 161
Horikoshi, E., see Koshiishi, I. (1428) 327
Hormes, J., see Prange, A. (1428) 446
Howard, E.W., see Bottles, K.D. (1428) 147

Ikeda, T., see Yamazaki, S. (1428) 241
Ikushiro, S., Emi, Y., Kimura, S. and Iyanagi, T.
Chemical modification of rat hepatic microsomes with *N*-ethylmaleimide results in inactivation of both UDP-*N*-acetylglucosamine-dependent stimulation of glucuronidation and UDP-glucuronic acid uptake (1428) 388
Imanari, T., see Koshiishi, I. (1428) 327
Isawa, K., see Yamazaki, S. (1428) 241
Isobe, K., see Hasegawa, T. (1428) 161
Iwazumi, T., see Takahashi, S. (1428) 251
Iyanagi, T., see Ikushiro, S. (1428) 388

Jeske, W., see Dietrich, C.P. (1428) 273
Jordan, E.M., see Breen, G.A.M. (1428) 169

Kammeyer, A., Eggelte, T.A., Bos, J.D. and Teunissen, M.B.M.
Urocanic acid isomers are good hydroxyl radical scavengers: a comparative study with structural analogues and with uric acid (1428) 117
Kaneko, T., see Yamazaki, S. (1428) 241
Kano, K., see Yamazaki, S. (1428) 241
Kappen, C., see Zacharias, D.A. (1428) 397
Kelley, M., see Vessey, D.A. (1428) 455
Kemmner, W., see Petretti, T. (1428) 209
Kersten, M.A.S.H., Arninkhof, M.J.C., Op den Camp, H.J.M., Van Griensven, L.J.L.D. and van der Drift, C.
Transport of amino acids and ammonium in mycelium of *Agaricus bisporus* (1428) 260
Khare, A., see Saksena, R. (1428) 433
Kim-Shapiro, D.B., King, S.B., Shields, H., Kolibash, C.P., Gravatt, W.L. and Ballas, S.K.
The reaction of deoxy-sickle cell hemoglobin with hydroxyurea (1428) 381
Kimura, S., see Ikushiro, S. (1428) 388
King, S.B., see Kim-Shapiro, D.B. (1428) 381
Kirkham, J., see Weston, D.G. (1428) 463
Kirkland, J.B., see Affar, E.B. (1428) 137
Ko, H.-H., Wang, J.-J., Lin, H.-C., Wang, J.-P. and Lin, C.-N.
Chemistry and biological activities of constituents from *Morus australis* (1428) 293
Kolibash, C.P., see Kim-Shapiro, D.B. (1428) 381
Kolset, S.O., see Kulseth, M.A. (1428) 225
Konska, G., see Veau, B. (1428) 39
Koshiishi, I., Horikoshi, E., Mitani, H. and Imanari, T.
Quantitative alterations of hyaluronan and dermatan sulfate in the hairless mouse dorsal skin exposed to chronic UV irradiation (1428) 327
Kulseth, M.A., Kolset, S.O. and Ranheim, T.
Stimulation of serglycin and CD44 mRNA expression in endothelial cells exposed to TNF-α and IL-1α (1428) 225

Lagacé, J., see Sachetelli, S. (1428) 334
Larocca, M.C., Pellegrino, J.M., Rodriguez Garay, E.A. and Marinelli, R.A.
Taurocholate-induced inhibition of hepatic lysosomal degradation of horseradish peroxidase (1428) 341
Lassiter, M.O., see Cox, S.D. (1428) 415
Lee, M., Christopherson, I.P., Lehman, J.M., Bennett, C.J. and Cheung, H.T.
Comparison of bone marrow extracellular matrices (1428) 300
Lehman, J.M., see Lee, M. (1428) 300
Li, Y., Zhu, H. and Trush, M.A.
Detection of mitochondria-derived reactive oxygen species production by the chemilumigenic probes lucigenin and luminol (1428) 1
Lin, C.-N., see Ko, H.-H. (1428) 293
Lin, H.-C., see Ko, H.-H. (1428) 293
Lin, Y., see Stuhlmeier, K.M. (1428) 177
Liu, H., McKenna, L.A. and Dean, M.F.
The macromolecular characteristics of cartilage proteoglycans do not change when synthesis is up-regulated by link protein peptide (1428) 191

Marinelli, R.A., see Larocca, M.C. (1428) 341
Martínez-Blanco, H., see Rodríguez-Aparicio, L.B. (1428) 305
Masaki, H., Okano, Y. and Sakurai, H.
Generation of active oxygen species from advanced glycation end-products (AGEs) during ultraviolet light A (UVA) irradiation and a possible mechanism for cell damaging (1428) 45
McKenna, L.A., see Liu, H. (1428) 191
Mendes, A., see Dietrich, C.P. (1428) 273
Miller, B.S., see Cox, S.D. (1428) 415
Mir, L.M., see Gehl, J. (1428) 233
Mita, M., Yoshikuni, M. and Nagahama, Y.
1-Methyladenine production from ATP by starfish ovarian follicle cells (1428) 13
Mitani, H., see Koshiishi, I. (1428) 327
Modrow, H., see Prange, A. (1428) 446
Mourão, P.A.S., see Cavalcante, M.C.M. (1428) 77
Mueller, S.O. and Stopper, H.
Characterization of the genotoxicity of anthraquinones in mammalian cells (1428) 406
Müller, T., see Schnelle, T. (1428) 99

Nader, H.B., see Dietrich, C.P. (1428) 273
Nagahama, Y., see Mita, M. (1428) 13
Neumann, G.M., see Rorison, K.A. (1428) 21
Nielsen, K., see Gehl, J. (1428) 233
Nielsen, S.L., see Gehl, J. (1428) 233
Nieves, E., see Takahashi, S. (1428) 251
Nuydens, R., see Dispersyn, G. (1428) 357
Nygren, J., see Belyaev, I.Y. (1428) 348

Ogris, M., see Zauner, W. (1428) 57
Okano, Y., see Masaki, H. (1428) 45
Op den Camp, H.J.M., see Kersten, M.A.S.H. (1428) 260

Paiva, J.F., see Dietrich, C.P. (1428) 273
Pavão, M.S.G., see Cavalcante, M.C.M. (1428) 77
Pellegrino, J.M., see Larocca, M.C. (1428) 341
Perin, A., see Tunici, P. (1428) 219
Petretti, T., Schulze, B., Schlag, P.M. and Kemmner, W.
Altered mRNA expression of glycosyltransferases in human gastric carcinomas (1428) 209

Phelps, E., see Bottles, K.D. (1428) 147
Pindak, F.F., see Babál, P. (1428) 106
Pitarresi, G., see Giammona, G. (1428) 29
Poirier, G.G., see Affar, E.B. (1428) 137
Prange, A., Arzberger, I., Engemann, C., Modrow, H., Schumann, O., Trüper, H.G., Steudel, R., Dahl, C. and Hormes, J.
In situ analysis of sulfur in the sulfur globules of phototrophic sulfur bacteria by X-ray absorption near edge spectroscopy (1428) 446
Prasad, N.B., Uma, B., Bhatt, S.K.G. and Gowda, V.T.
Comparative characterisation of Russell's viper (*Daboia/Vipera russelli*) venoms from different regions of the Indian peninsula (1428) 121

Rabellotti, E., see Tunici, P. (1428) 219
Rangarajan, S., Chacko, R. and Shankar, V.
Active site characterization of RNase Rs from *Rhizopus stolonifer*: involvement of histidine and lysine in catalysis and carboxylate in substrate binding (1428) 372
Ranheim, T., see Kulseth, M.A. (1428) 225
Raskmark, P., see Gehl, J. (1428) 233
Recio, I. and Visser, S.
Identification of two distinct antibacterial domains within the sequence of bovine α_{s2}-casein (1428) 314
Reglero, A., see Rodríguez-Aparicio, L.B. (1428) 305
Revers, L., Bill, R.M., Wilson, I.B.H., Watt, G.M. and Flitsch, S.L.
Development of recombinant, immobilised β-1,4-mannosyltransferase for use as an efficient tool in the chemoenzymatic synthesis of *N*-linked oligosaccharides (1428) 88
Revilla-Nuin, B., see Rodríguez-Aparicio, L.B. (1428) 305
Riffon, R., see Sachetelli, S. (1428) 334
Rodriguez Garay, E.A., see Larocca, M.C. (1428) 341
Rodríguez-Aparicio, L.B., Ferrero, M.A., Revilla-Nuin, B., Martínez-Blanco, H. and Reglero, A.
Determination of different amino sugar 2′-epimerase activities by coupling to *N*-acetylneuraminate synthesis (1428) 305
Rorison, K.A., see Baldwin, G.S. (1428) 68
Rorison, K.A., Neumann, G.M. and Baldwin, G.S.
Binding of pepsinogen to the 78 kDa gastrin binding protein (1428) 21
Russell, L.C., see Babál, P. (1428) 106

Sachetelli, S., Beaulac, C., Riffon, R. and Lagacé, J.
Evaluation of the pulmonary and systemic immunogenicity of Fluidosomes, a fluid liposomal–tobramycin formulation for the treatment of chronic infections in lungs (1428) 334
Sahai, R., see Saksena, R. (1428) 433
Saiano, F., see Giammona, G. (1428) 29
Sakamoto, K., see Sakuma, K. (1428) 284
Saksena, R., Deepak, D., Khare, A., Sahai, R., Tripathi, L.M. and Srivastava, V.M.L.
A novel pentasaccharide from immunostimulant oligosaccharide fraction of buffalo milk (1428) 433
Sakuma, K., Watanabe, K., Sano, M., Uramoto, I., Sakamoto, K. and Totsuka, T.
The adaptive response of MyoD family proteins in overloaded, regenerating and denervated rat muscles (1428) 284
Sakurai, H., see Masaki, H. (1428) 45
Sano, M., see Sakuma, K. (1428) 284
Schlag, P.M., see Petretti, T. (1428) 209
Schnelle, T., Müller, T., Hagedorn, R., Voigt, A. and Fuhr, G.
Single micro electrode dielectrophoretic tweezers for manipulation of suspended cells and particles (1428) 99
Schulze, B., see Petretti, T. (1428) 209
Schumann, O., see Prange, A. (1428) 446
Sessa, A., see Tunici, P. (1428) 219
Shah, R.G., see Affar, E.B. (1428) 137
Shankar, V., see Rangarajan, S. (1428) 372
Shields, H., see Kim-Shapiro, D.B. (1428) 381
Singh, S., see Asad, S.F. (1428) 201
Skovsgaard, T., see Gehl, J. (1428) 233
Sørensen, T.H., see Gehl, J. (1428) 233
Srivastava, V.M.L., see Saksena, R. (1428) 433
Steudel, R., see Prange, A. (1428) 446
Stopper, H., see Mueller, S.O. (1428) 406
Stuhlmeier, K.M. and Lin, Y.
Camouflaging endothelial cells: does it prolong graft survival? (1428) 177

Takahashi, S., Geenen, D., Nieves, E. and Iwazumi, T.
Collagenase degrades collagen in vivo in the ischemic heart (1428) 251
Teunissen, M.B.M., see Kammeyer, A. (1428) 117
Torudd, J., see Belyaev, I.Y. (1428) 348
Totsuka, T., see Sakuma, K. (1428) 284
Tripathi, L.M., see Saksena, R. (1428) 433
Trüper, H.G., see Prange, A. (1428) 446
Trush, M.A., see Li, Y. (1428) 1
Tudor, R., see Ciopraga, J. (1428) 424
Tunici, P., Sessa, A., Rabellotti, E., Grant, G., Bardocz, S. and Perin, A.
Polyamine oxidase and tissue transglutaminase activation in rat small intestine by polyamines (1428) 219

Uma, B., see Prasad, N.B. (1428) 121
Updike, D.L., see Bottles, K.D. (1428) 147
Uramoto, I., see Sakuma, K. (1428) 284

van der Drift, C., see Kersten, M.A.S.H. (1428) 260
Van Griensven, L.J.L.D., see Kersten, M.A.S.H. (1428) 260
Veau, B., Guillot, J., Damez, M., Dusser, M., Konska, G. and Botton, B.
Purification and characterization of an anti-(A+B) specific lectin from the mushroom *Hygrophorus hypothejus* (1428) 39
Vessey, D.A., Kelley, M. and Warren, R.S.
Characterization of the CoA ligases of human liver mitochondria catalyzing the activation of short- and medium-chain fatty acids and xenobiotic carboxylic acids (1428) 455
Visser, S., see Recio, I. (1428) 314
Voigt, A., see Schnelle, T. (1428) 99
Vu, T.-K.H., see Bottles, K.D. (1428) 147

Wagner, E., see Zauner, W. (1428) 57
Wang, J.-J., see Ko, H.-H. (1428) 293
Wang, J.-P., see Ko, H.-H. (1428) 293
Warren, R.S., see Vessey, D.A. (1428) 455
Watanabe, K., see Sakuma, K. (1428) 284
Watt, G.M., see Revers, L. (1428) 88
Weston, D.G., Kirkham, J. and Cullen, D.C.
Photo-modulation of horseradish peroxidase activity via covalent attachment of carboxylated-spiropyran dyes (1428) 463
Wilson, I.B.H., see Revers, L. (1428) 88
Winstall, E., see Affar, E.B. (1428) 137

Yamazaki, S., Kano, K., Ikeda, T., Isawa, K. and Kaneko, T.
Role of 2-amino-3-carboxy-1,4-naphthoquinone, a strong growth stimulator for bifidobacteria, as an electron transfer mediator for NAD(P)$^+$ regeneration in *Bifidobacterium longum* (1428) 241

Yoshikuni, M., see Mita, M. (1428) 13

Zacharias, D.A. and Kappen, C.
Developmental expression of the four plasma membrane calcium ATP-ase (Pmca) genes in the mouse (1428) 397

Zauner, W., Brunner, S., Buschle, M., Ogris, M. and Wagner, E.
Differential behaviour of lipid based and polycation based gene transfer systems in transfecting primary human fibroblasts: a potential role of polylysine in nuclear transport (1428) 57

Zhu, H., see Li, Y. (1428) 1

THE PAPER AND INK USED IN THE ORIGINAL PUBLICATION MAY AFFECT THE QUALITY OF THE MICROFORM EDITION.